

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	221	55/522-523.ccls. and nozzle	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/07 12:39
L7	33	55/522-523.ccls. and nozzle with liquid	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/07 12:40
L8	31	55/490-498.ccls. and nozzle with liquid	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/07 12:40
L9	2	210/437.ccls. and nozzle with liquid	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/07 12:41
S1	8	55/490.ccls. and stiffening	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 14:11
S2	15	55/490.ccls. and net	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 14:15
S3	324	55/490.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 14:15
S4	17	stiffening agent with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 14:20
S5	30	("4070519" "4877433" "4925601" "5096473" "5230455" "5246474" "5296065" "5318831" "5480547" "5507847" "5558689" "5690873" "5730766" "5733657" "5766486" "5806154" "5925581" "6008146" "6015499" "6110249" "6203591" "6228477" "6233790" "6409785" "RE37163").PN. OR ("6752847").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 14:23
S10	15	("2637540").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 15:38

S11	10	("2111448").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 15:39
S12	163	"4720292"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 15:39
S13	15	"5792227"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 15:39
S14	43	("1540921" "2933793" "3208331" "3376004" "3501814" "3601863" "3630116" "3742557" "3765694" "4058186" "4226036" "4273276" "4319385" "4436536" "4443237" "4528739" "4560477" "4632680" "4633548" "4663041" "4732678" "4744107" "4878930" "4929354" "4954255" "5068811" "5074896" "5094579" "5207812" "5211846" "5632791" "5837017" "5848801" "6073315"). PN. OR ("6233790"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 15:40
S15	56	("3852134" "4025679" "4056476" "4104170" "4225642" "4663041" "4728394" "4734208" "4765915" "4770785" "4791144" "4795559" "4863604" "4954142" "5084071" "5130134" "5133878" "5154827" "5225014" "5232875" "5264010" "5275743" "5314843" "5318927" "5395801" "5407526" "5449917" "5516346" "5543047" "5597443" "5607341" "5607718" "5618227" "5637185" "5637271" "5643053" "5643406" "5645682" "5650039" "5655954" "5658185" "5665201" "5700383" "5705435" "5707274" "5709593" "5755614" "5791970").	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 15:41

		PN. OR ("6015499"). URPN.				
S16	94	("2371895" "2641365" "3647083" "3720322" "3750889" "3767054" "3957634" "4022690" "4108775" "4187179" "4561979" "4783258" "4810379" "4877521" "4880549" "5006242" "5015375"),PN. OR ("5211846").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 15:44
S17	31	("3241680" "3442392" "3552553" "3747770" "4402830" "4986900" "5039413" "5211846" "5252207" "5460721" "5490926" "5639370" "5690765" "5846421" "D306640" "D349567" "D374476" "D390910" "D402734" "D403741" "D404796" "D406315" "D406316" "D415245" "D415819" "D417715" "D418197" "D420095"). PN. OR ("D476058"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/20 15:49
S19	158	stiffener with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/21 06:07
S20	158	stiffener with filter and stiffener	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/21 06:08
S21	3	stiffener with filter with liquid and stiffener	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/21 06:13
S22	13	liquid stiffener	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/02/21 06:14
S24	171	"4720292"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:13
S25	3	"4720292" and stiffen\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:14
S26	1	liquid with stiffen\$4 with filter with net	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:15

S27	0	("2008/0016836").URPN.	USPAT	ADJ	ON	2008/09/25 15:15
S28	47	liquid with stiffen\$4 with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:15
S29	18	("4247394" "4545833" "4624784" "4877526" "5075004" "5091085" "5417855" "5620669"). PN. OR ("5755962"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:18
S30	0	("2007/0277488").URPN.	USPAT	ADJ	ON	2008/09/25 15:21
S31	66	("2599604" "2962121" "3147100" "3160488" "3334753" "4065341" "4310419" "4589983" "4634527" "4720292" "5106397" "5167683" "5275636" "5415677" "5431706" "5484466" "5487767" "5547480" "5556440" "5562825" "5601626" "5601717" "5605625" "5632791" "5669949" "5674393" "5685985" "5693109" "5725624" "5730769" "5741421" "5755842" "5755843" "5797973" "5800581" "5863313" "5885314" "5893937"). PN. OR ("6149700"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:26
S32	0	("2007/0277488").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:27
S33	60	("20020040569" "2135863" "2640789" "3296781" "4120711" "4181514" "4211543" "4243397" "4418662" "4478620" "4617122" "4720292" "4878930" "5512172" "5531892" "5605625" "5679122" "5730766" "5733452" "5759217" "5800581" "5855783" "5871645" "5891337" "5902361" "5916435" "5948146"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:31

		"5954849" "5958097" "6045598" "6045600" "6080311" "6093231" "6103119" "6132483" "6136076" "6149700" "6247463" "6258144" "6261334" "6306193" "6319300" "6375699" "6375700" "6383244" "6391076" "6402798" "6416561" "6433049" "6447567" "6478018" "6478019" "6482247" "6511599" "6568540" "6641637" "7070642"). PN. OR ("7413588"). URFN.				
S34	94	("3303085" "3415993" "3438504" "3457339" "3471019" "3487943" "3612871" "3662178" "3673017" "3677844" "3708418" "3713921" "3770532" "3770962" "3802972" "3811999" "3850813" "3852134" "3855477" "3865919" "3867294" "4154688" "4245506" "4268347" "4379180" "4392958" "4402830" "4416724" "4512892" "4515007" "4521309" "4579698" "4609465" "4614109" "4619897" "4664801" "4671873" "4701861" "4714516" "4715960" "4725332" "4744240" "4767426" "4779448" "4824568" "4830917" "4832997" "4846970" "4872988" "4898670" "4906371" "4923608" "4929354" "4933564" "4956089" "4956219" "5053125" "5064529" "5079272" "5139624" "5183607" "5230760" "5234538" "5238717" "5271839" "5277811" "5282380" "5318531" "5328613" "5336405" "5350487" "5353630"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:33

		"5360650" "5417101" "5498335" "5536290" "5556598" "5904846"). PN. OR ("6103119"). URPN.				
S35	24	("3986851" "4025679" "4144040" "4557955" "4818257" "4838903" "5028465" "5045094" "5198294" "5380580" "5415676" "5422159" "5472481" "5480547" "5605748" "5660607" "5730786" "5795369"). PN. OR ("5948146"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:34
S36	44	("3107986" "3135592" "3540190" "3975565" "4053290" "4086070" "4093437" "4120671" "4144040" "4155726" "4211661" "4249918" "4267626" "4564377" "4818257" "4915714" "4948398" "5045094" "Re33023").PN. OR ("5605748").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:36
S37	101	("3303085" "3415993" "3438504" "3457339" "3471019" "3487943" "3612871" "3662178" "3673017" "3677844" "3708418" "3713921" "3770532" "3770962" "3802972" "3811999" "3850813" "3852134" "3855477" "3865919" "3867294" "4154688" "4245506" "4268347" "4379180" "4392958" "4402830" "4416724" "4512892" "4515007" "4521309" "4579698" "4609465" "4614109" "4619897" "4664801" "4671873" "4701861" "4714516" "4715960" "4725332" "4744240" "4767426" "4779448" "4824568" "4830917" "4832997" "4846970" "4872988" "4898670" "4906371" "4923608"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:36

		"4929354" "4933564" "4956089" "4956219" "5053125" "5064529" "5079272" "5139624" "5183607" "5230760" "5234538" "5238717" "5271839" "5277811" "5282380" "5318531" "5328613" "5336405" "5350487" "5353630" "5360650" "5417101" "5498335" "5536290" "5556598").PN. OR ("5904846").URPN.				
S38	115	("2837214" "2988227" "3241680" "3246765" "3376979" "3442392" "3520417" "3570675" "3752321" "4154688"). PN. OR ("4402830"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:39
S39	43	("3241680").URPN.	USPAT	ADJ	ON	2008/09/25 15:40
S40	235	adhesive with nozzl\$3 and filter with adhesive	USPAT	ADJ	ON	2008/09/25 15:53
S41	0	liquid with nozzl\$3 and filter with adhesive and liquid with stiffen\$4	USPAT	ADJ	ON	2008/09/25 15:54
S42	0	liquid with nozzl\$3 and filter with adhesive and liquid with stiffen\$5	USPAT	ADJ	ON	2008/09/25 15:54
S43	60	("2749265" "2919807" "3189179" "3246765" "3392843" "3520417"). PN. OR ("3692184"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 15:54
S44	334	55/490.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 16:06
S45	472	210/437.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 16:06
S46	3748	55/490-498.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 16:06
S47	301	55/490-498.ccls. and nozzle	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 16:06

S48	25	("2384676" "2749265" "3358843" "3531920" "3598689" "3692184" "4075106" "4093482" "4242399" "5609711"). PN. OR ("5868889"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 16:15
S49	43	cone with spiral with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 16:51
S50	3	"7059481"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 16:52
S51	10	("2843269" "3662893" "4427547" "4442004" "4518501" "5102541" "5419373" "6036853" "7059481").PN. OR ("7422119").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/25 16:53
S52	37	"6669751"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/26 10:39
S53	14	spiral member with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/26 10:51
S54	5	"6299662"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/26 11:40
S55	174	"4720292"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 12:33
S56	61	("2749265" "2919807" "3189179" "3246765" "3392843" "3520417"). PN. OR ("3692184"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 12:38
S57	24	("3178025" "3189179" "3306794" "3397793" "3520417" "3692184" "3752321" "4402830" "4514875" "4652285" "4925601" "5084178" "5211846" "5316677" "5730766" "5753071"). PN. OR ("6911144"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 12:39

S58	177	("0362551" "0624014" "0671790" "0930401" "1001929" "1669461" "2064511" "2122111" "2322548" "2372545" "2395449" "2401222" "2420414" "2537992" "2539450" "2586078" "2689652" "2768751" "2801009" "2837214" "2923447" "3026610" "3042571" "3061107" "3063888" "3165472" "3174625" "3183334" "3189179" "3241680" "3261473" "3268442" "3306794" "3334752" "3386583" "3397793" "3417870" "3426910" "3442392" "3450632" "3520417" "3578175" "3666097" "3692184" "3695443" "3769128" "3799354" "3804259" "3809199" "3827566" "3880755" "3891551" "4033868" "4033881" "4046697" "4051033" "4065341" "4089783" "4092246" "4101423" "4154688" "4172797" "4181070" "4201119" "4206050" "4214612" "4252591" "4293414" "4402830" "4405466" "4421646" "4422861" "4443346" "4500426" "4519531" "4526688" "4564376" "4655921" "4660779" "4673503" "4692196" "4752396" "4765893" "4767426" "4802982" "4828698" "4830937" "4842736" "4855058" "4865637" "4872990" "4877527" "4882056" "4902417" "4904380" "4940500" "4944887" "5028329" "5028465" "5039413" "5071555" "5084178" "5092990" "5096584" "5096591" "5114508"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 12:44
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		"5114582" "5120296" "5130023" "5147541" "5149449" "5174896" "5204002" "5252207" "5275743" "5376278" "5403482" "5468397" "5472606" "5543047" "5690765").PN. OR ("5876601").URPN.				
S59	25	("2384676" "2749265" "3358843" "3531920" "3598689" "3692184" "4075106" "4093482" "4242399" "5609711"). PN. OR ("5868889"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 12:48
S60	18	("3518142" "3524750" "3690981" "3972763" "4086116" "4223633" "4232047" "4508773" "4673438" "4855354" "4913924" "5316828" "5454862").PN. OR ("5609711").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 12:51
S61	67	("2013038" "2471548" "2915426" "2980208" "3189179" "3194401" "3216578" "3243943" "3246767" "3407252" "3442388" "3448862" "3490211" "3631582" "3692184" "3871851" "3937663" "4129429" "4135900" "4225328" "4323374" "4331459" "4359330" "4386948" "4460388" "4652285" "4738778" "4746432"). PN. OR ("5098767"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 12:53
S62	12	("4576853" "4961974" "5098767" "5167740" "5350620" "5397632" "5401446" "5686050" "5955174" "Re32171"). PN. OR ("6090469"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 12:54

S63	38	("2663660" "3417551" "4075106" "4277260" "4289510" "4322231" "4402830").PN. OR ("4652285").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 12:55
S64	32	55/490-521.ccls. and nozzle with adhesive	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 12:57
S65	40	("3189179").URPN.	USPAT	ADJ	ON	2009/03/09 13:03
S66	40	("3189179").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 13:03
S67	2	55/490-521.ccls. and nozzle with oscillat\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 13:14
S68	0	55/490-521.ccls. and nozzle with adhesive ame oscillat\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 13:15
S69	0	55/490-521.ccls. and nozzle with adhesive same oscillat\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 13:15
S70	0	"55".clas. and nozzle with adhesive same oscillat\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 13:15
S71	192	nozzle with adhesive same oscillat\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 13:16
S72	9	nozzle with adhesive same oscillat\$5 and air with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 13:16
S73	1	"20020168469"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 13:50
S74	1	"20020168469" and oscillat \$5 and nozzle	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 13:50

S75	254	("0040242" "0236416" "0246144" "0268491" "0275190" "0275340" "0500302" "0516673" "0526562" "0560858" "0583981" "0607598" "0777317" "0865185" "0948222" "0964897" "0966578" "0984866" "1098979" "1132667" "1139041" "1242982" "1248081" "1250768" "1344747" "1397339" "1423021" "1462804" "1505735" "1561632" "1614586" "1626774" "1678941" "1713143" "1716758" "1785195" "1879377" "1950861" "1997713" "1997740" "2052467" "2061850" "2082513" "2089548" "2104785" "2190262" "2251909" "2274700" "2335084" "2406051" "2462878" "2480320" "2511239" "2648441" "2667975" "2670079" "2677462" "2723032" "2726184" "2774477" "2800227" "2813629" "2827169" "2902165" "2929464" "2973865" "2980208" "2985303" "3057481" "3070231" "3092573" "3165473" "3176843" "3243943" "3255885" "3285413" "3306794" "3458978" "3465413" "3542636" "3574103" "3655060" "3679057" "3716138" "3747770" "3747772" "3789498" "3793692" "3853529" "3900628" "3929642" "3970549" "4019987" "4022596" "4033865" "4062769" "4065382" "4075106" "4138303" "4224146" "4306974" "4375199" "4380494" "4410427" "4446022" "4457839"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/09 14:32
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		"4464242" "4472473" "4546783" "4575421" "4582597" "4589983" "4603653" "4617122" "4634535" "4678578" "4696751" "4728422" "4744898" "4769968" "4820407" "4832834" "4846352" "4857176" "4882054").PN. OR ("5028474" "5084178" "5116553" "5137622" "5139154" "5162143" "5167740" "5211291" "5221008" "5240479" "5256292" "5270368" "5312508" "5316676" "5330057" "5385669" "5392925" "5417793" "5417858" "5417859" "5490598" "5614094" "5626234" "5636749" "5667661" "5690826" "5700536" "5720881" "5783077" "5814218" "5819952" "5868889" "5921399" "5927511" "5944197" "5967336" "5981019" "6006923" "6018383" "6019152" "6019228" "6053331" "6053332" "6186337" "6269954" "6279644" "6376038" "H001481"). PN. OR ("6669985"). URPN.				
S76	0	55/490.ccls. and net with stiffen\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/11 10:43
S77	6	55/490-498.ccls. and net with adhesive	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/11 10:44
S78	2	"55".clas. and form near3 net with adhesive	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/11 10:51
S79	2	"7309809"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/11 10:52
S80	113	'form near3 net with adhesive	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/11 10:56

S81	113	form near3 net with adhesive	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/11 10:56
S82	21	form near3 net with adhesive and filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/11 10:56
S83	3	net-form with adhesive	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/11 10:58
S84	0	net-form with glue	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/11 10:59
S85	1	("2561781").URPN.	USPAT	ADJ	ON	2009/03/11 11:00
S86	7	("3846205").URPN.	USPAT	ADJ	ON	2009/03/11 11:02
S87	100	net with support and net with adhesive	USPAT	ADJ	ON	2009/03/11 11:05
S88	15	55/522-523.ccls. and percentage with rate	USPAT	ADJ	ON	2009/03/11 11:26
S89	23	55/522-523.ccls. and percentage with rate	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/11 11:27
S90	18	55/490.ccls. and net	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/31 10:38
S91	308	55/490-498.ccls. and nozzle	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/31 10:39
S92	25	55/522-523.ccls. and percentage with rate	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/31 10:40
S93	499	210/437.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/31 10:41

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(hardenable liquid and inner insert and filter element and liquid lines).clm.	USPAT; UPAD	ADJ	ON	2010/04/07 12:37

L2	0	(hardenable liquid and inner insert).clm.	USPAT; UPAD	ADJ	ON	2010/04/07 12:38
L3	94	(inner insert).clm.	USPAT; UPAD	ADJ	ON	2010/04/07 12:38
L4	2	(inner insert and filter element).clm.	USPAT; UPAD	ADJ	ON	2010/04/07 12:38
L5	7	(liquid lines and filter element).clm.	USPAT; UPAD	ADJ	ON	2010/04/07 12:38

4/ 7/ 2010 12:42:22 PM

C:\Documents and Settings\amillerharris\My Documents\EAST\Workspaces\10597978.
wsp